

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-547
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Ford Motor Company 1994 model-year Otto-cycle engine is certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Liquefied Petroleum Gas

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
RFM7.0D1LARA	7.0 (429)	Secondary Air Injection Exhaust Gas Recirculation

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family in grams per brake horsepower-hour:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
1.9	37.1	5.0

The following are the certification emission values for this engine family in grams per brake horsepower-hour:

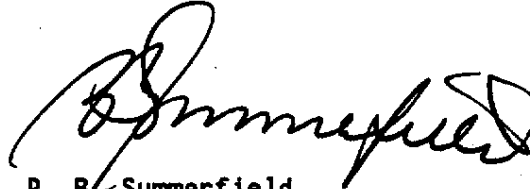
<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
RFM7.0D1LARA	0.5	23.2	2.8

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et. seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 17th day of May, 1993.

A handwritten signature in black ink, appearing to read "R. B. Summerfield", is written over the printed name and title.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY DUTY OTTO-CYCLE ENGINESManufacturer Ford Motor Company Engine Family RFM7.0D1LARA (R7.0B)Liters (CID): 7.0L (429) Fuel Type: Liquid Petroleum Gasoline Engine Type: V-8Exhaust ECS & Special Features (ECM/PCM, CARB, MPI, etc.) AIR/EGR/CARB
(Use abbreviations per SAE J1930 JUN88)

Engine Model (Engine Code)	Rated HP @ RPM	Ign. System or PCM Part No. -12A650-	Fuel System Carb Part No. -9510-	EGR Valve Part No. -9F483-	Catalyst Part No. -5E212-
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3-87L-R00	235 @ 3600	F3HE-AA	F3HE-AA	F27E-AB	NONE
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Comments: See 20.17.02.00-1 for abbreviations and 20.17.02.00-4 for
evaporative emission family identification.

Engine Family: R7.0B

20.09.17.02 - 1

Date: 4-23-93
Revised:

20091702.1